

FIG.1

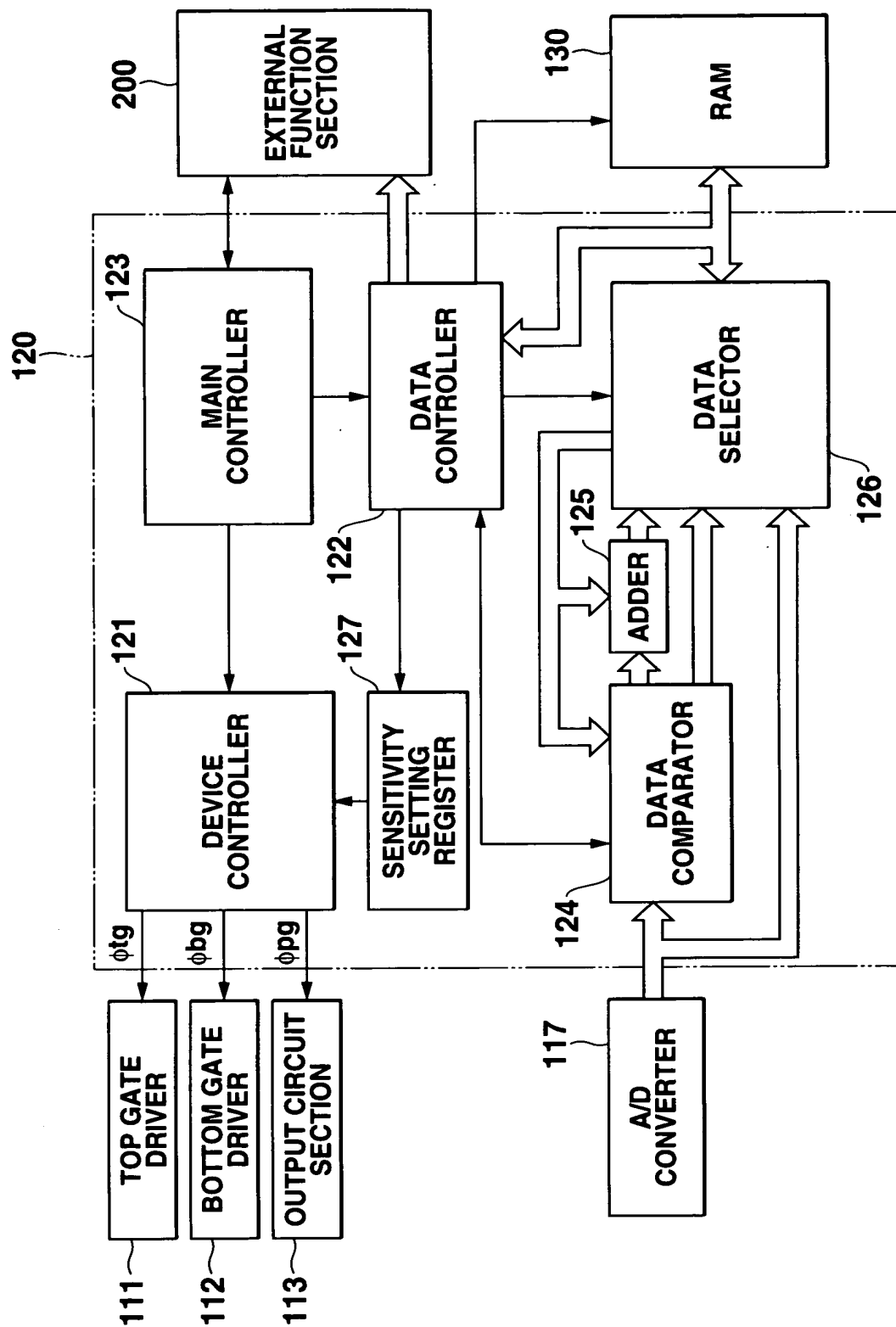


FIG.2

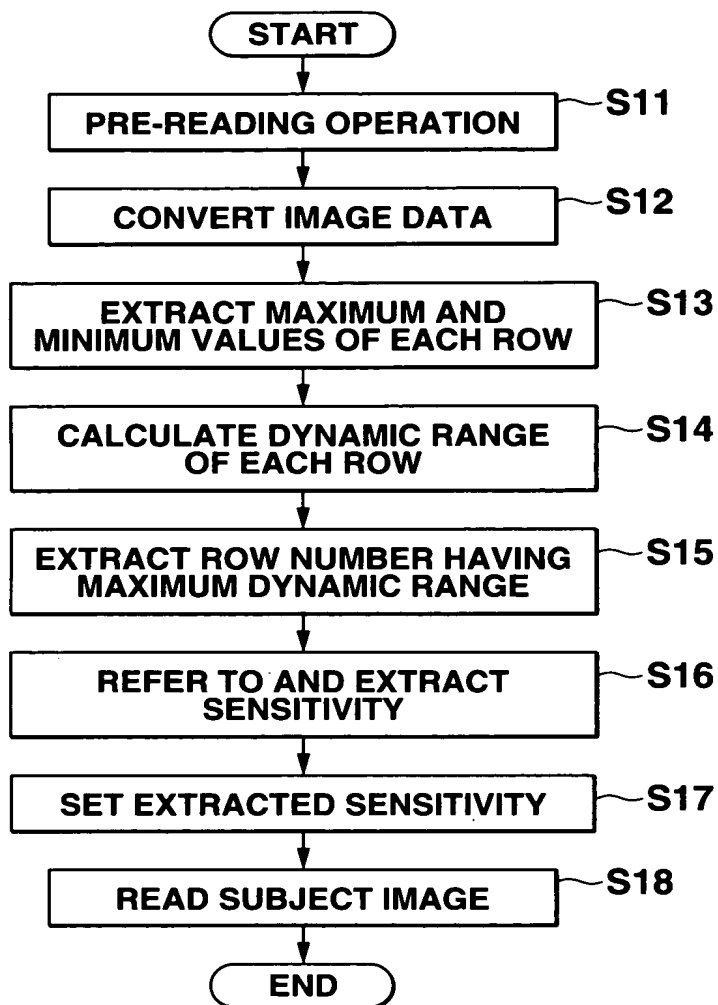


FIG.3

00703025-103100

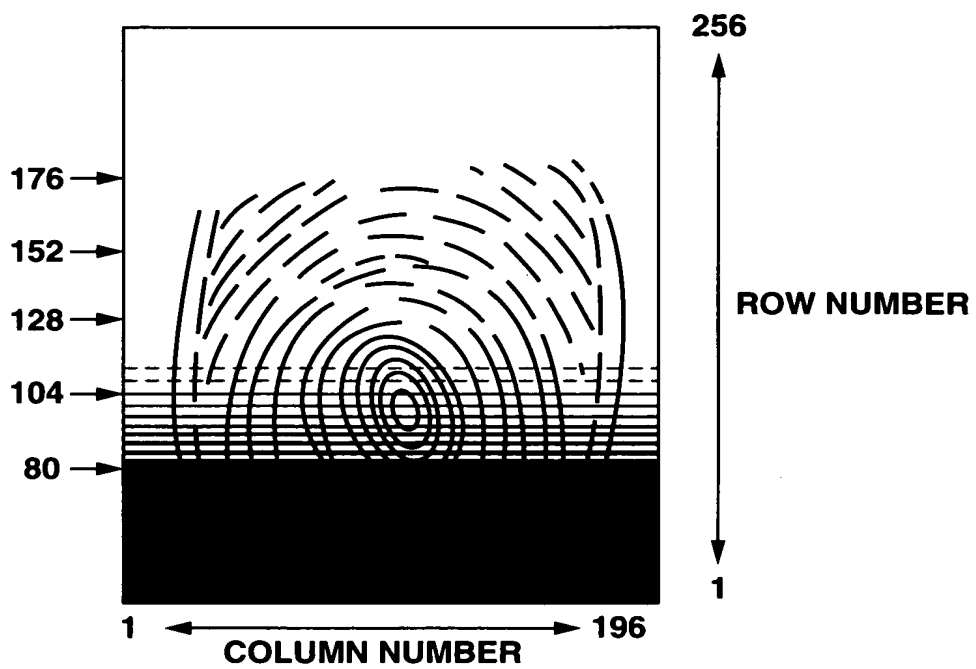


FIG.4

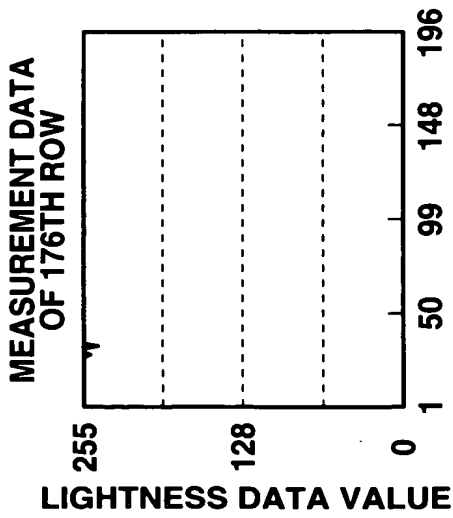


FIG.5A

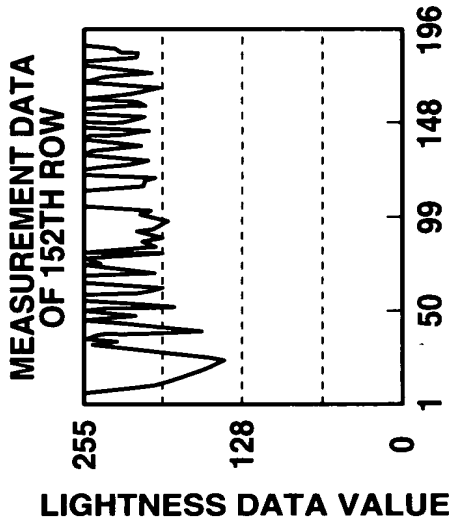


FIG.5B

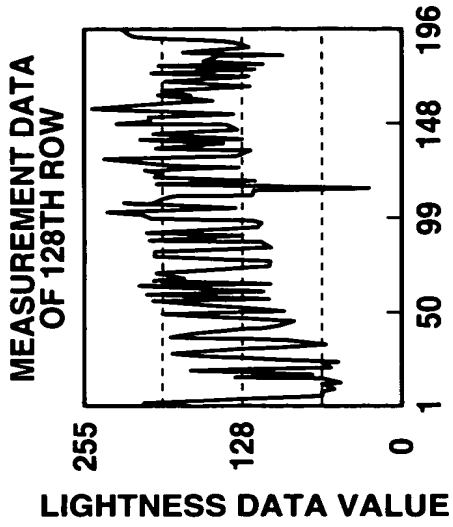


FIG.5C

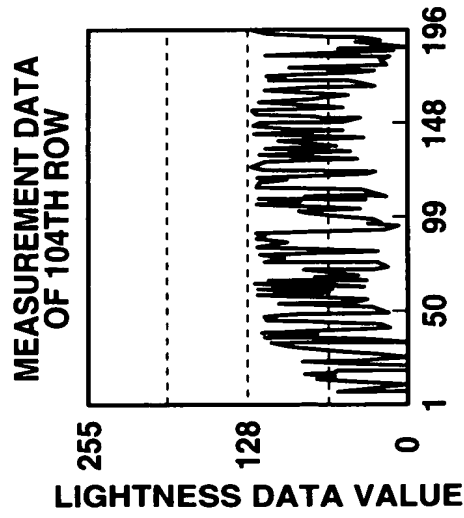


FIG.5D

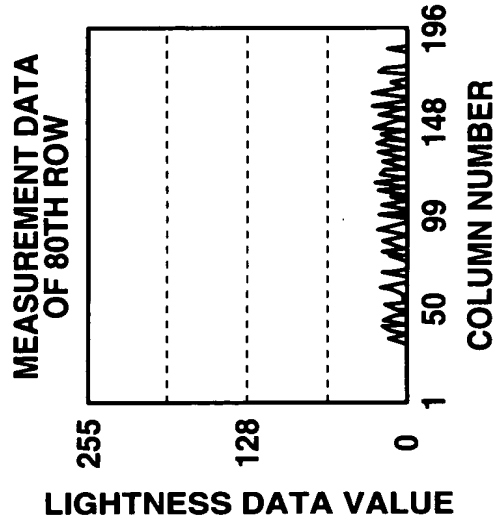


FIG.5E

FIG.6A

ROW NUMBER	80TH ROW	104TH ROW	128TH ROW	152ND ROW	176TH ROW
MAXIMUM VALUE	25	127	251	255	255
MINIMUM VALUE	0	0	27	153	249
DYNAMIC RANGE	25	127	224	102	6



FIG.6B

ROW NUMBER	1ST ROW	. . .	128TH ROW	. . .	256TH ROW
CHARGE ACCUMULATING PERIOD	T ₁	. . .	T ₁₂₈	. . .	T ₂₅₆

09703025 103100

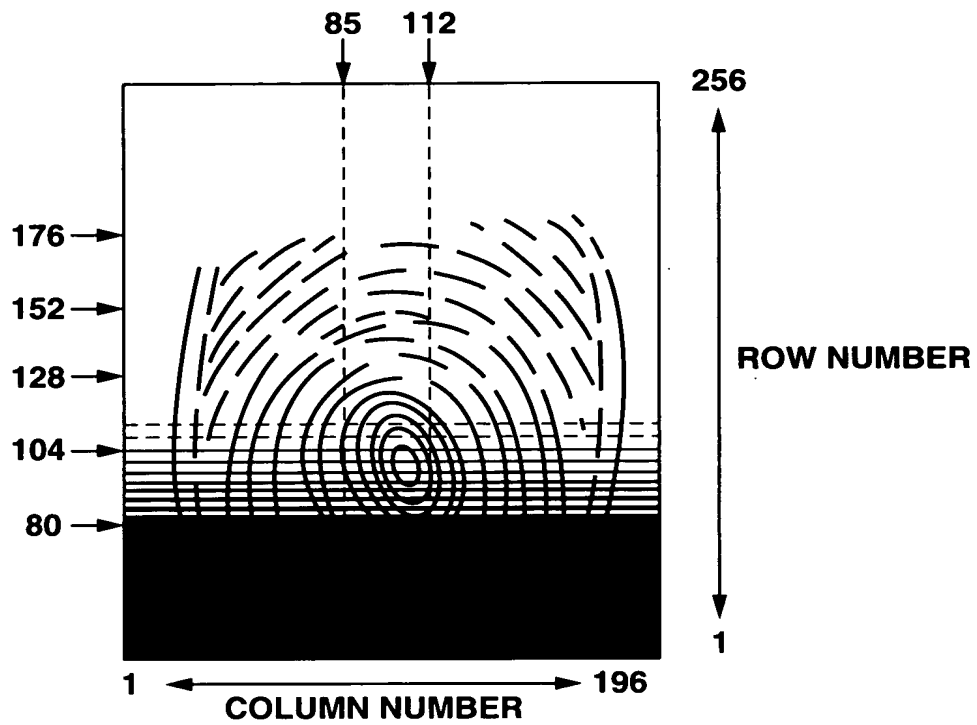


FIG.7

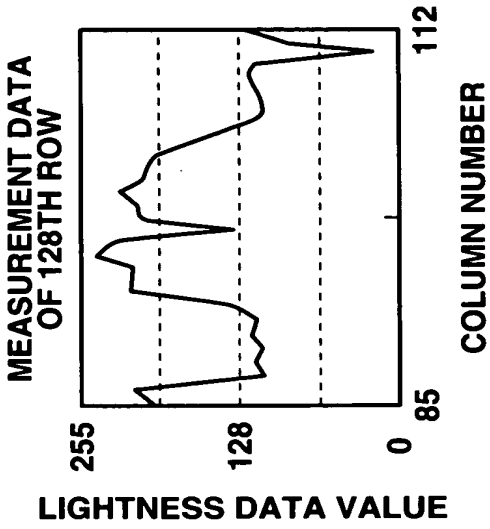


FIG. 8A

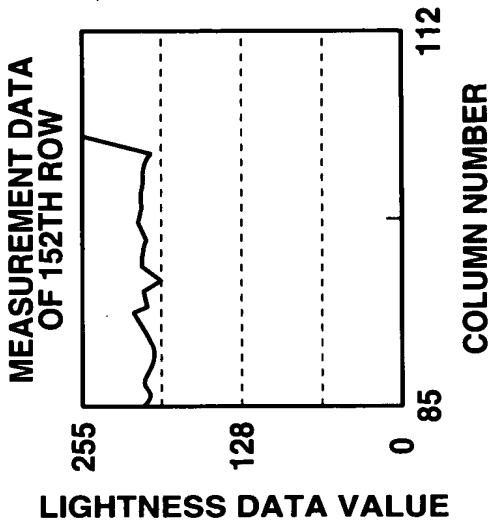


FIG. 8B

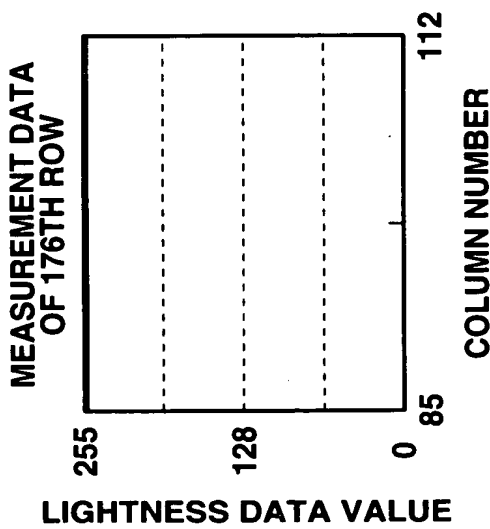


FIG. 8C

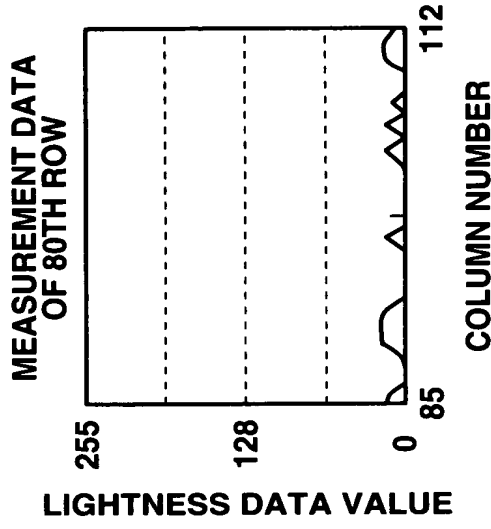


FIG. 8D

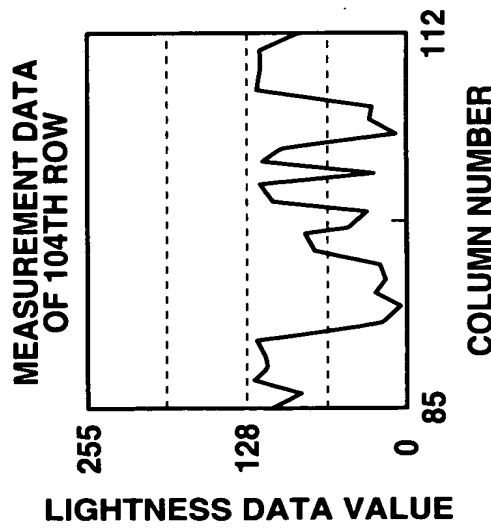


FIG. 8E

FIG.9A

ROW NUMBER	80TH ROW	104TH ROW	128TH ROW	152ND ROW	176TH ROW
MAXIMUM VALUE	23	117	243	255	255
MINIMUM VALUE	0	9	27	193	255
DYNAMIC RANGE	23	108	216	62	0



FIG.9B

ROW NUMBER	1ST ROW	. . .	128TH ROW	. . .	256TH ROW
CHARGE ACCUMULATING PERIOD	T ₁	. . .	T ₁₂₈	. . .	T ₂₅₆

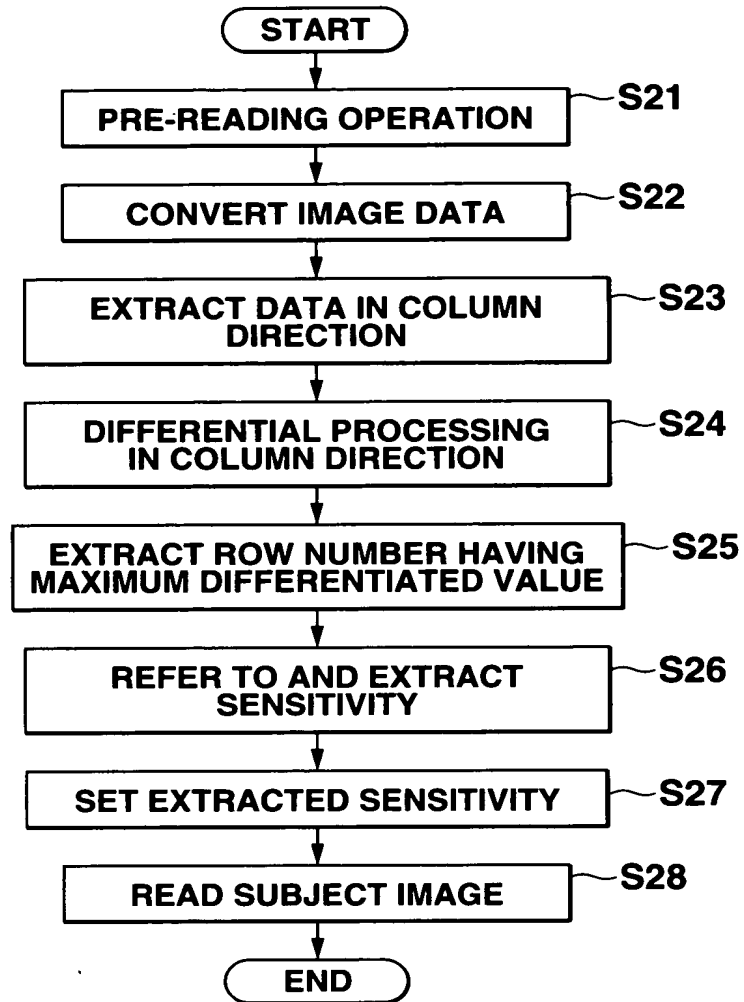


FIG.10



FIG.11

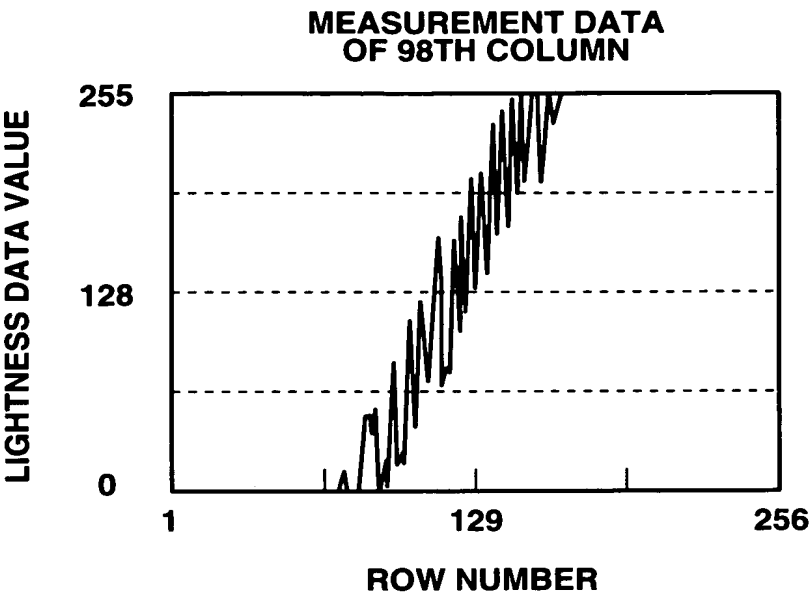


FIG.12A

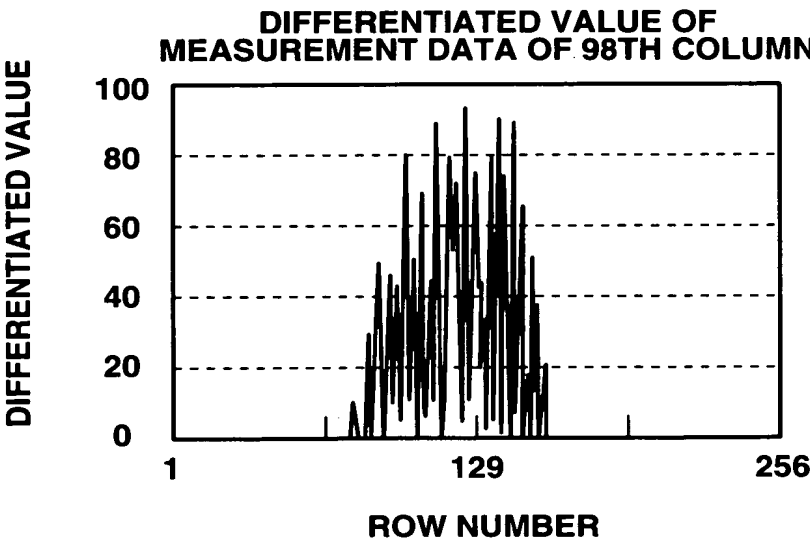


FIG.12B

FIG.13A

ROW NUMBER		121ST ROW	122ND ROW	123RD ROW	124TH ROW	125TH ROW	126TH ROW	127TH ROW	128TH ROW	129TH ROW	. . .	
DIFFERENTIATED VALUE		. . .	80	53	72	5	95	11	76	20	. . .	

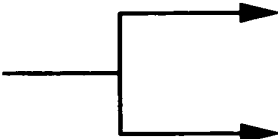


FIG.13B

ROW NUMBER		121ST ROW	122ND ROW	123RD ROW	124TH ROW	125TH ROW	126TH ROW	127TH ROW	128TH ROW	129TH ROW	. . .	
CHARGE ACCUMULATING PERIOD		. . .	T121	T122	T123	T124	T125	T126	T127	T128	T129	. . .

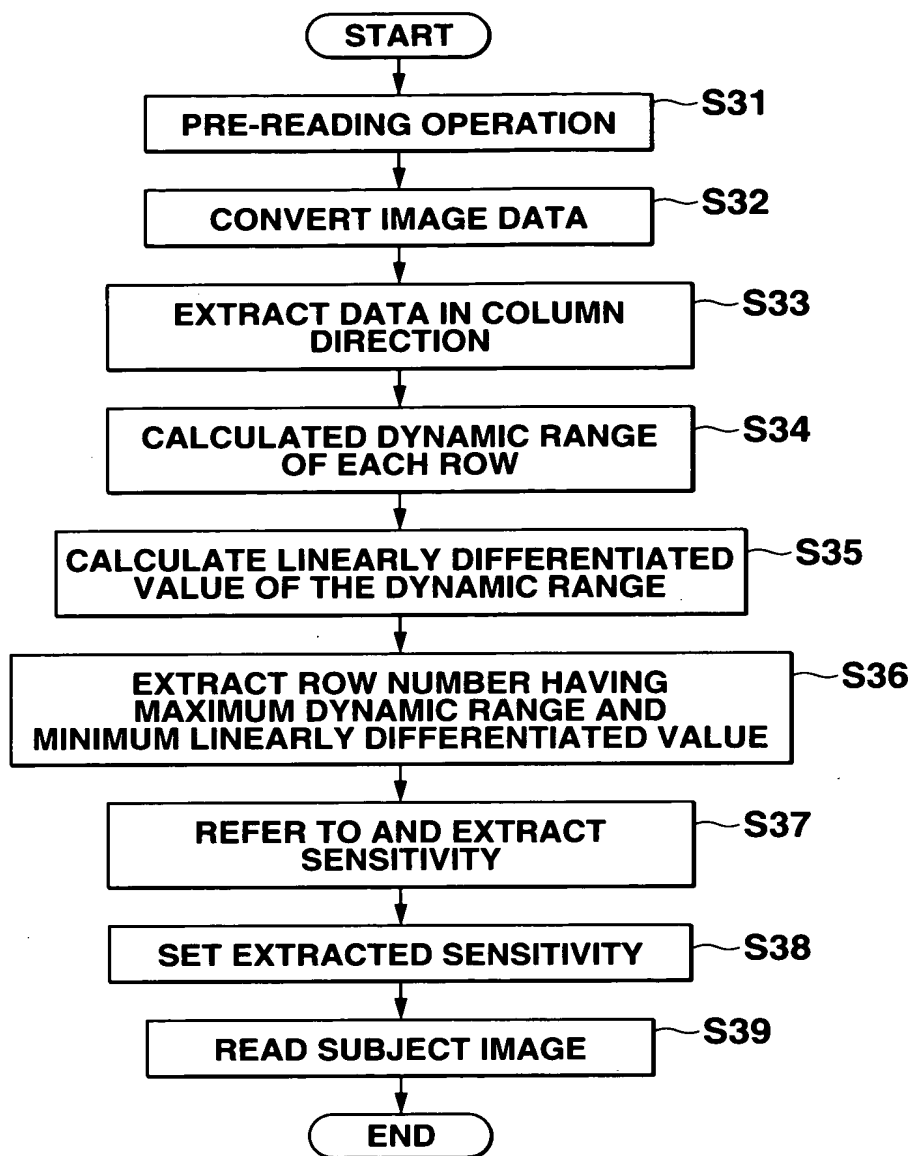


FIG.14

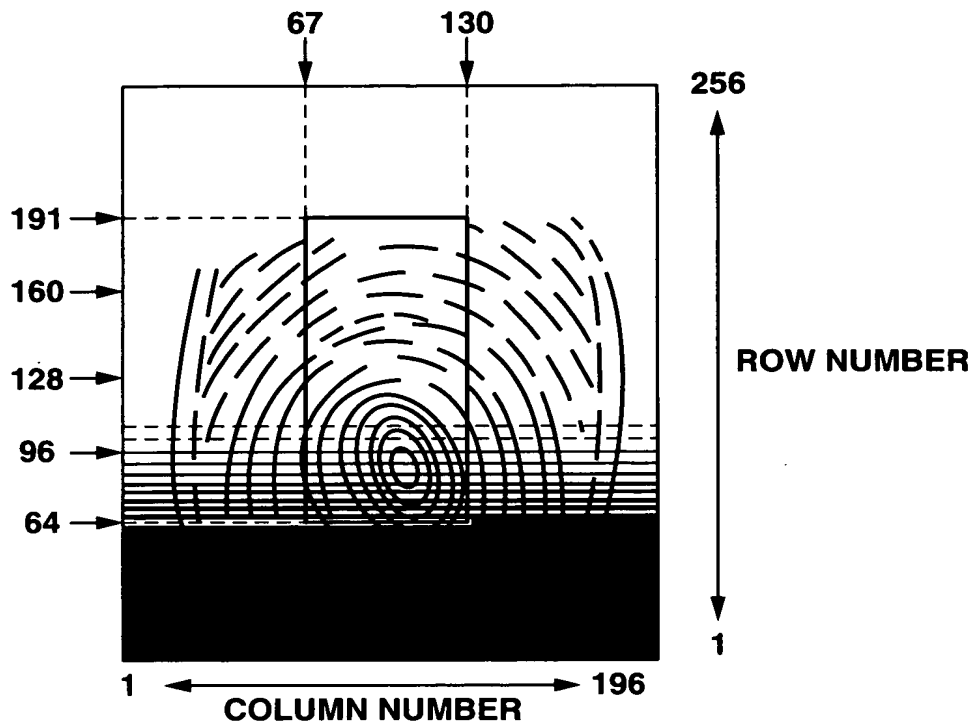


FIG.15

00703005-10100

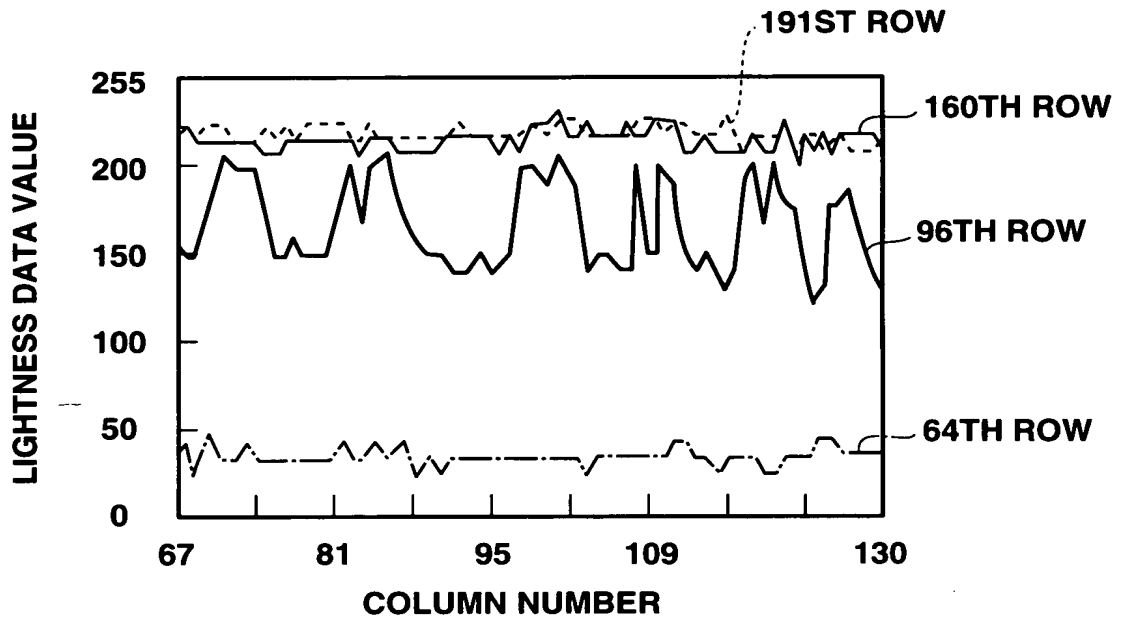


FIG.16

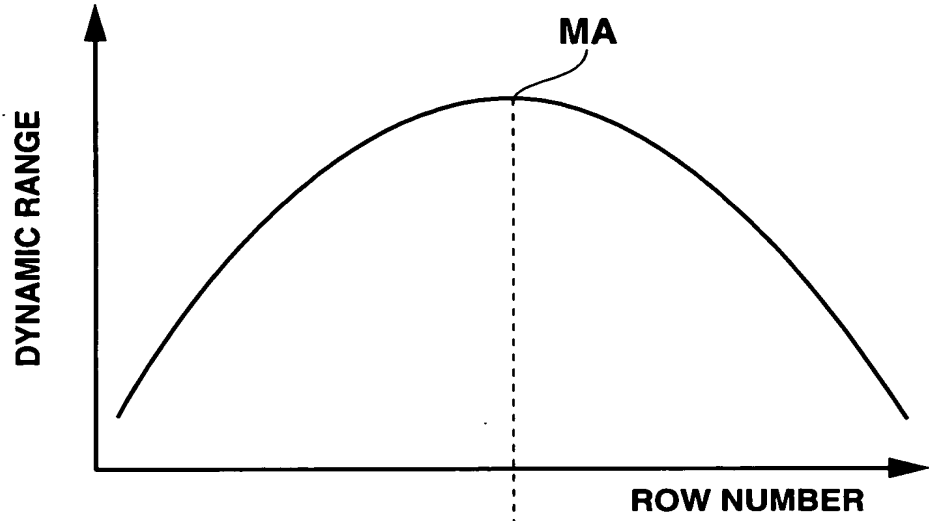


FIG.17A

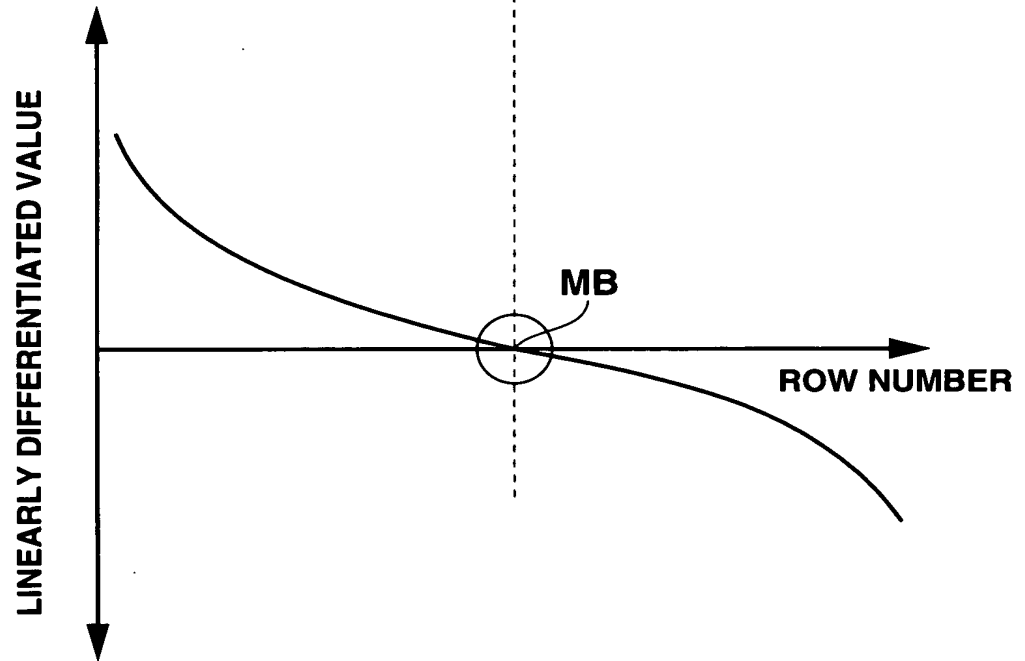


FIG.17B

FIG.18A

ROW NUMBER	64TH ROW	. . .	L _{k-1} ROW	L _k ROW	L _{k+1} ROW	. . .	191ST ROW
MAXIMUM VALUE	X ₆₄	. . .	X _{k-1}	X _k	X _{k+1}	. . .	X ₁₉₁
MINIMUM VALUE	Y ₆₄	. . .	Y _{k-1}	Y _k	Y _{k+1}	. . .	Y ₁₉₁
DYNAMIC RANGE	R ₆₄	. . .	R _{k-1}	R _k (MAX)	R _{k+1}	. . .	R ₁₉₁
LINEARLY DIFFERENTIATED VALUE	. . .	D _{k-2}	D _{k-1} (MIN)	D _k	D _{k+1}

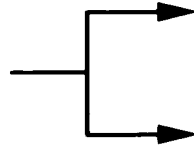


FIG.18B

ROW NUMBER	64TH ROW	. . .	L _{k-1} ROW	L _k ROW	L _{k+1} ROW	. . .	191ST ROW
CHARGE ACCUMLATING PERIOD	T ₆₄	. . .	T _{k-1}	T _k	T _{k+1}	. . .	T ₁₉₁

FIG.19A

ROW NUMBER	64TH ROW	. . .	L _{k-1} ROW	L _k ROW	L _{k+1} ROW	. . .	191ST ROW
MAXIMUM VALUE	X ₆₄	. . .	X _{k-1}	X _k	X _{k+1}	. . .	X ₁₉₁
MINIMUM VALUE	Y ₆₄	. . .	Y _{k-1}	Y _k	Y _{k+1}	. . .	Y ₁₉₁
DYNAMIC RANGE	R ₆₄	. . .	R _{k-1}	R _k (MAX)	R _{k+1}	. . .	R ₁₉₁



FIG.19B

ROW NUMBER	64TH ROW	. . .	L _{k-1} ROW	L _k ROW	L _{k+1} ROW	. . .	191ST ROW
CHARGE ACCUMULATING PERIOD	T ₆₄	. . .	T _{k-1}	T _k	T _{k+1}	. . .	T ₁₉₁

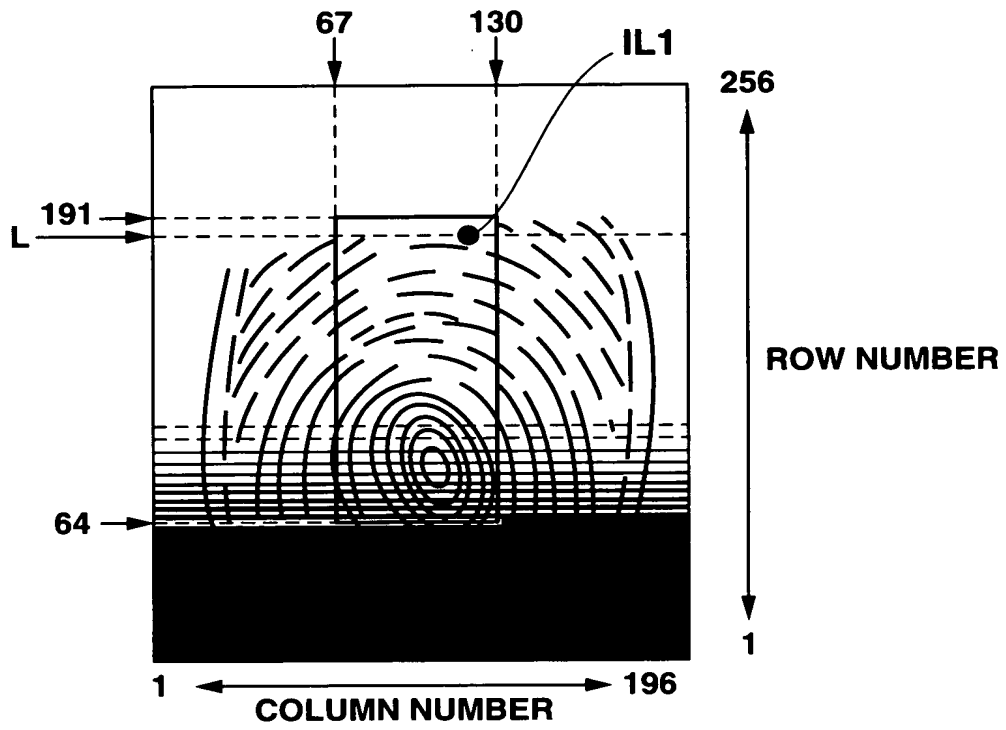


FIG.20

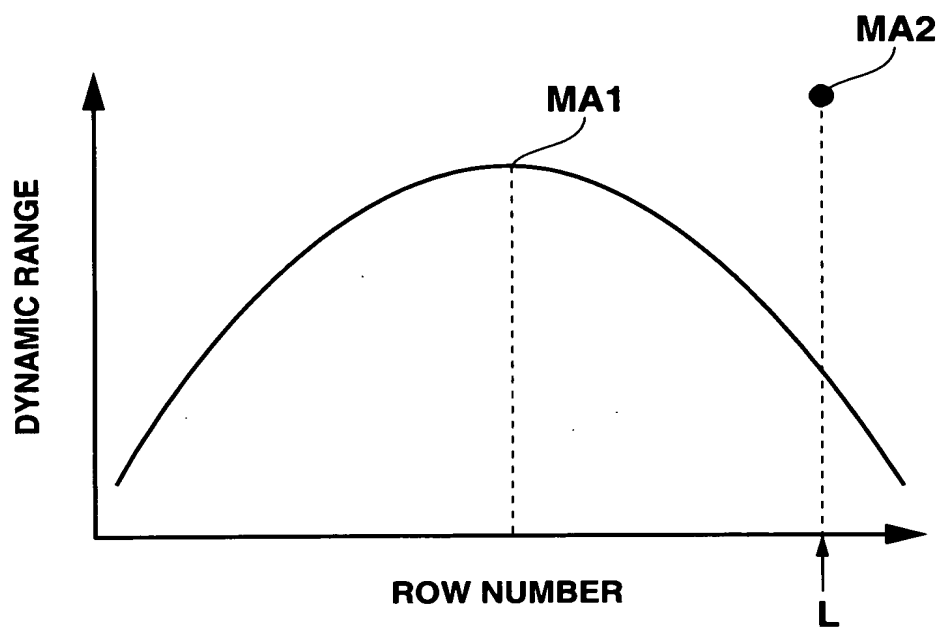


FIG.21

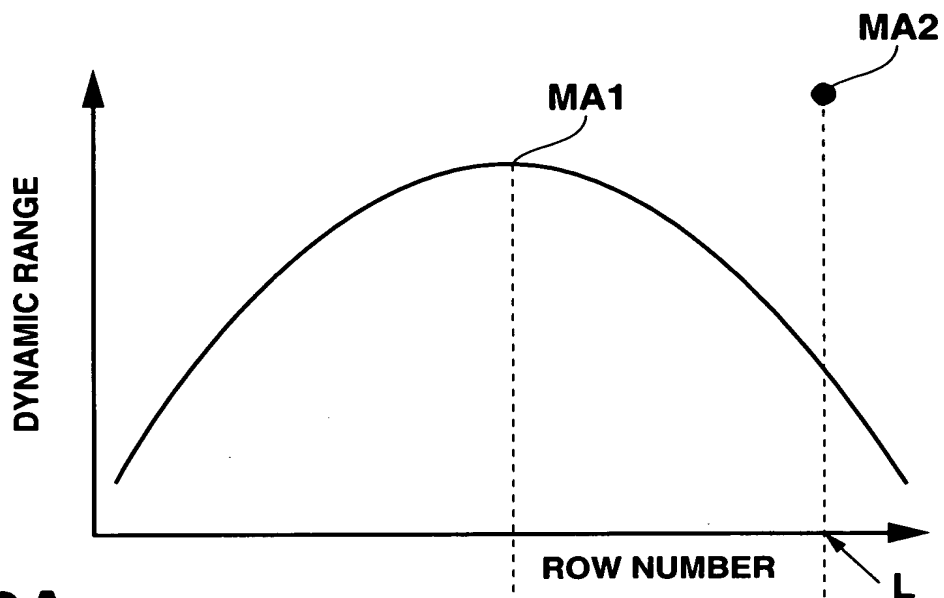


FIG.22A

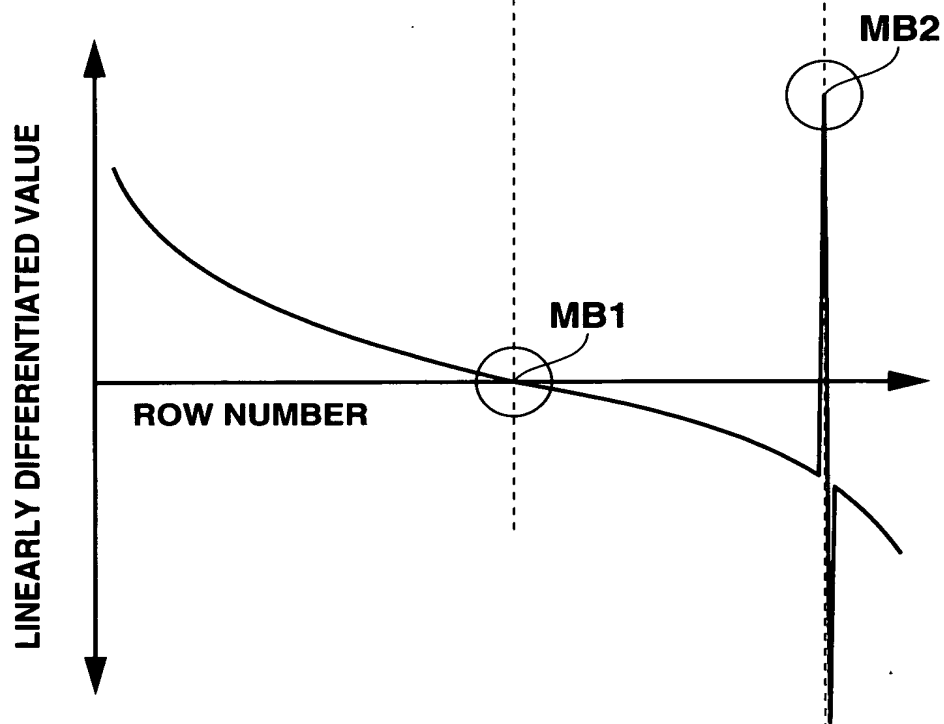


FIG.22B

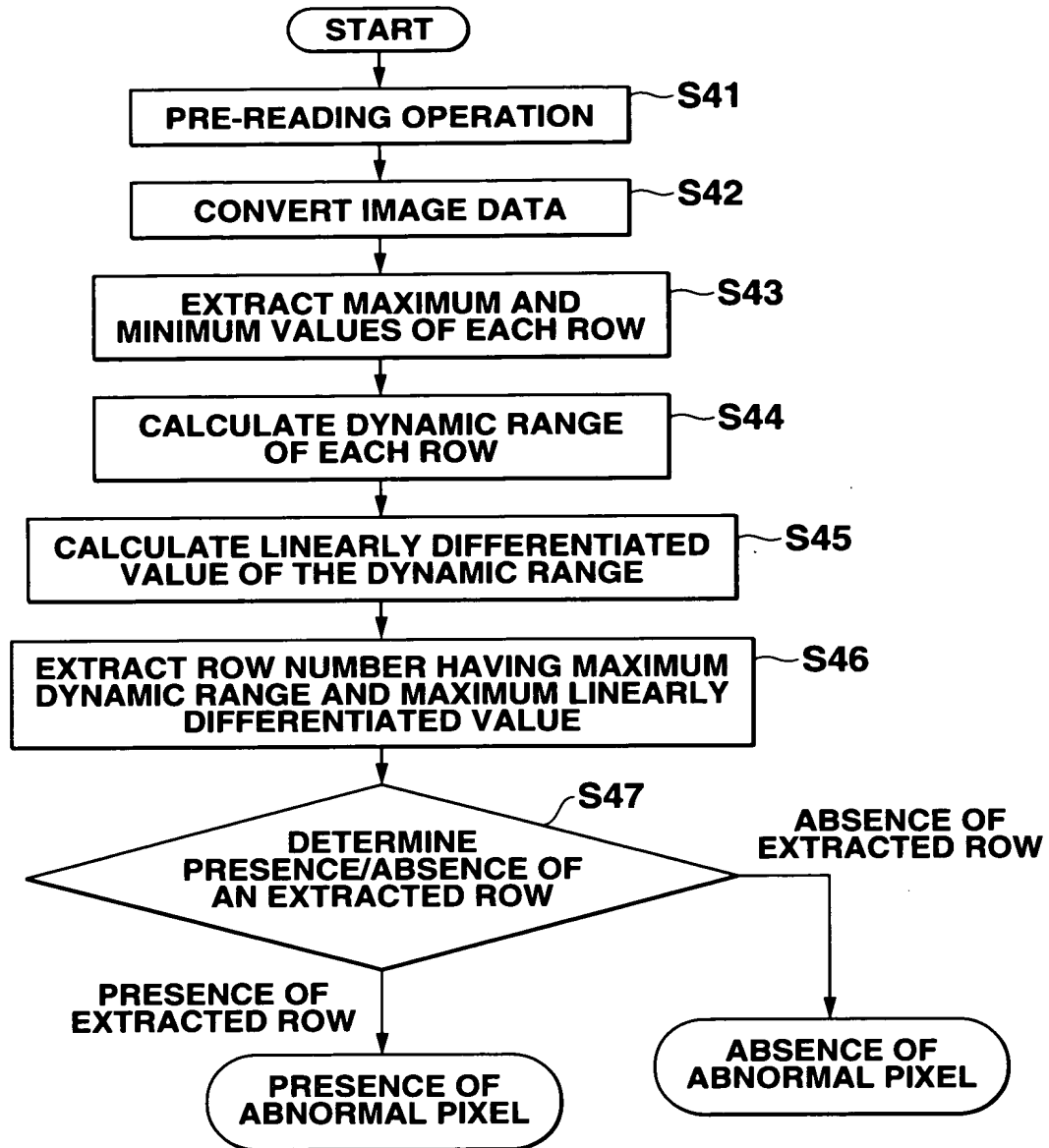


FIG.23

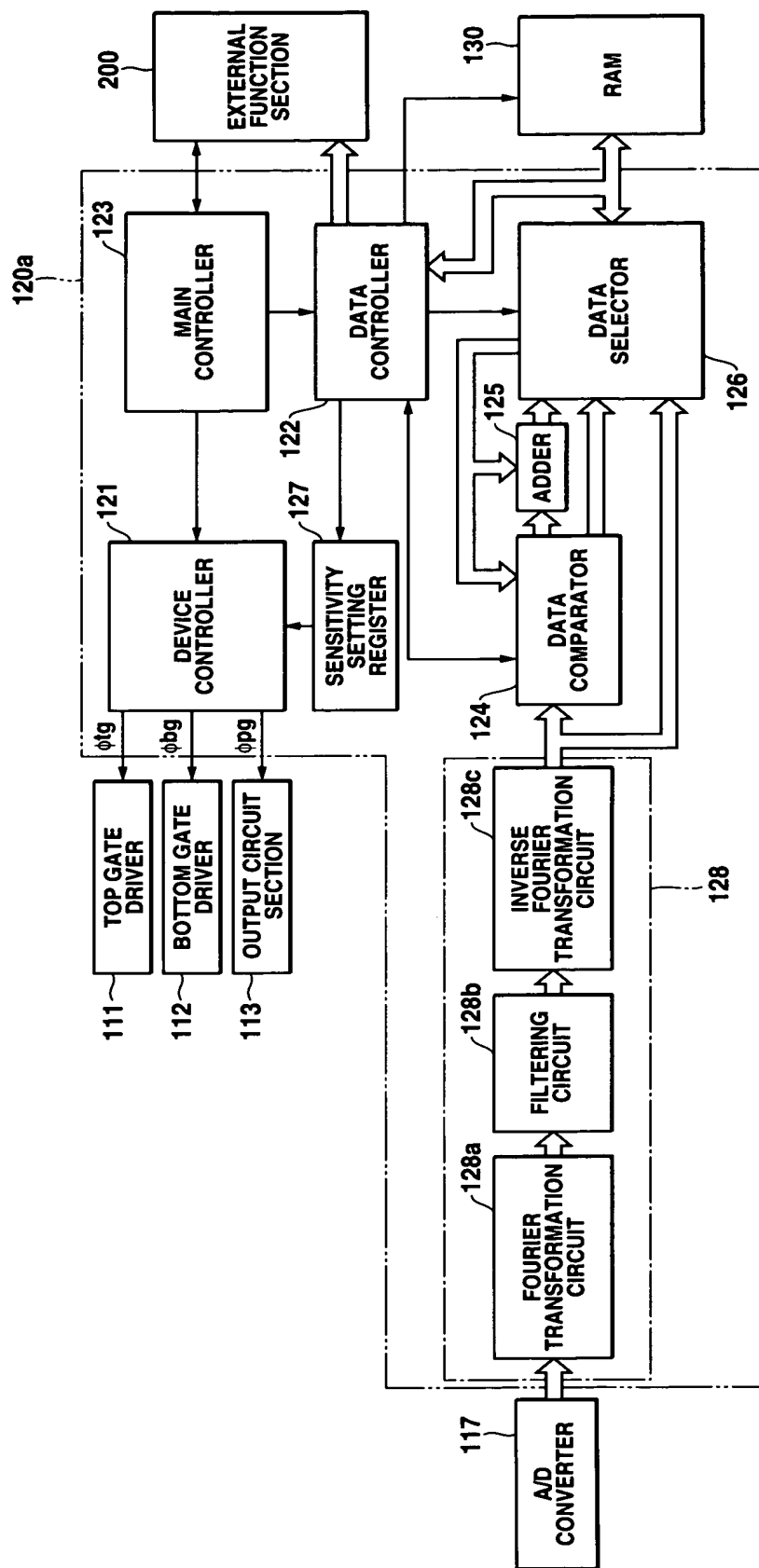


FIG.24

09703025-103100

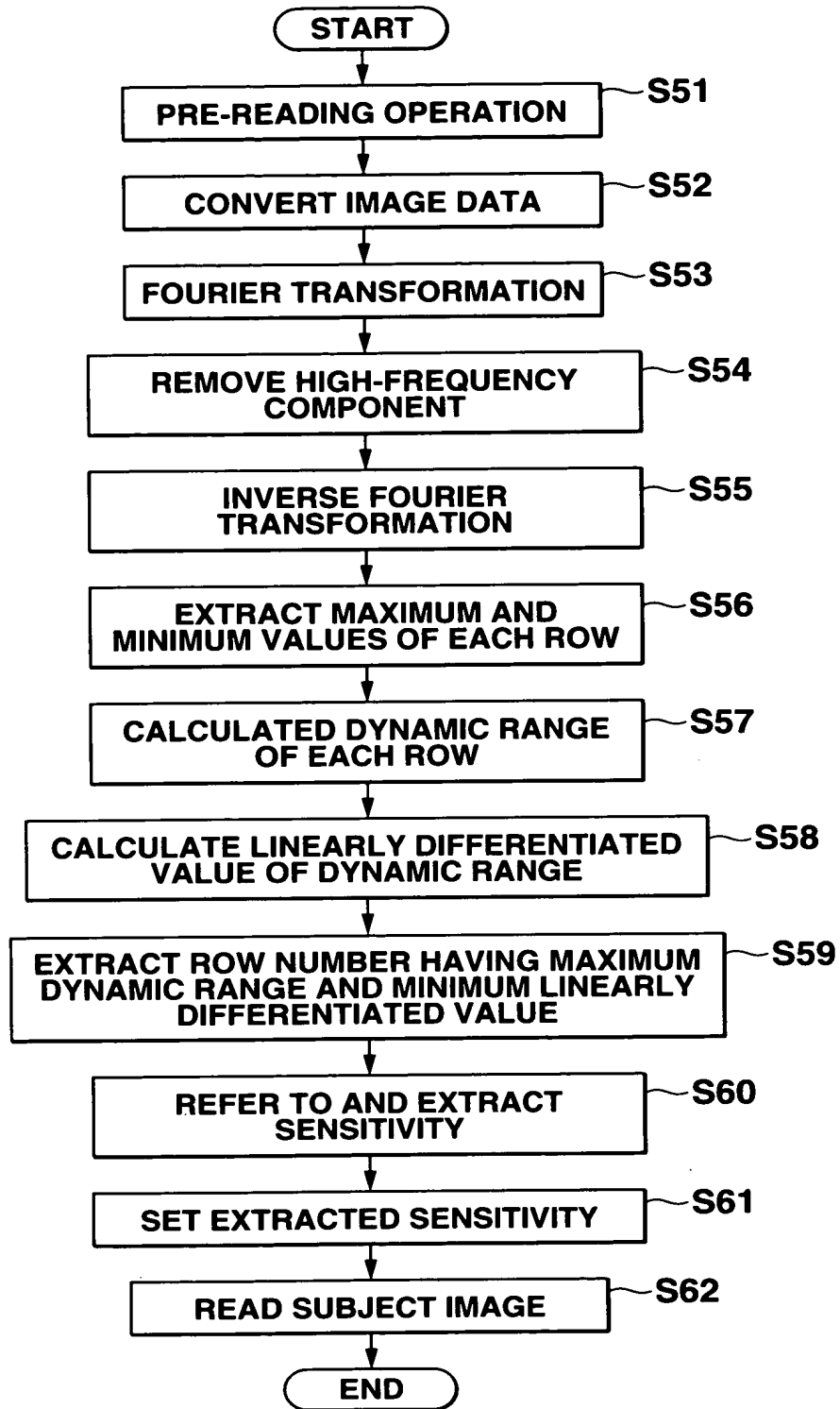


FIG.25

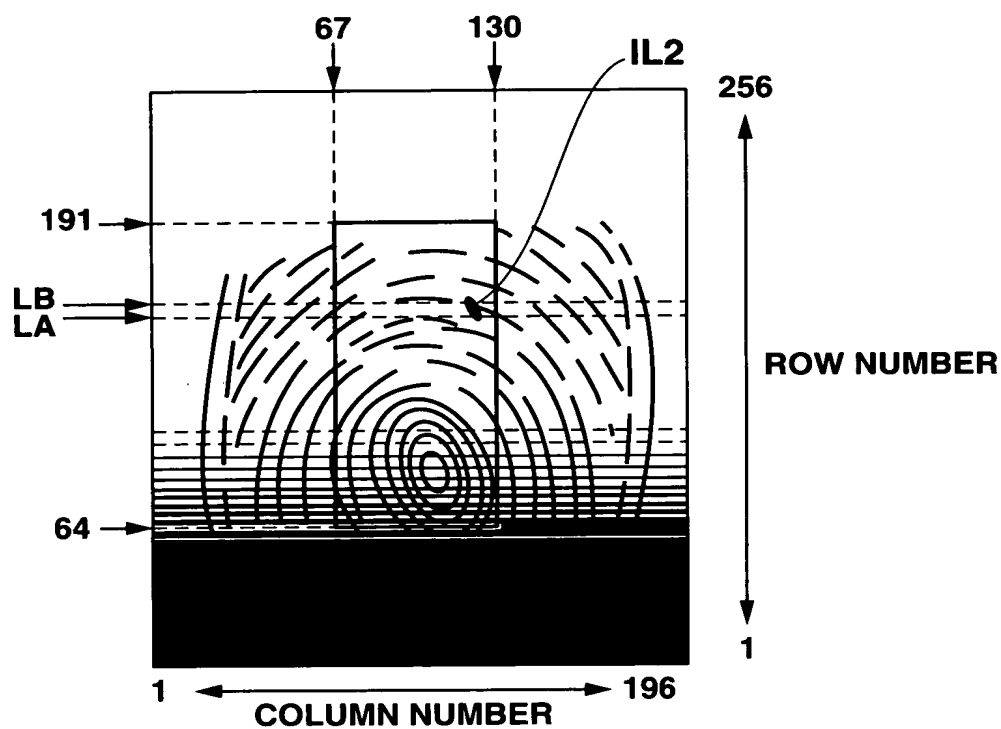


FIG.26

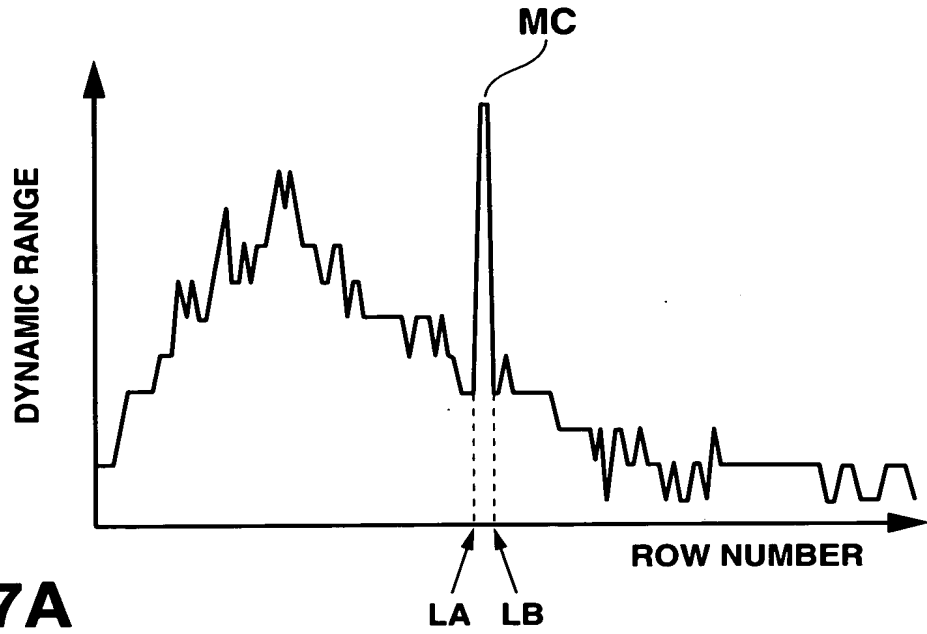


FIG.27A

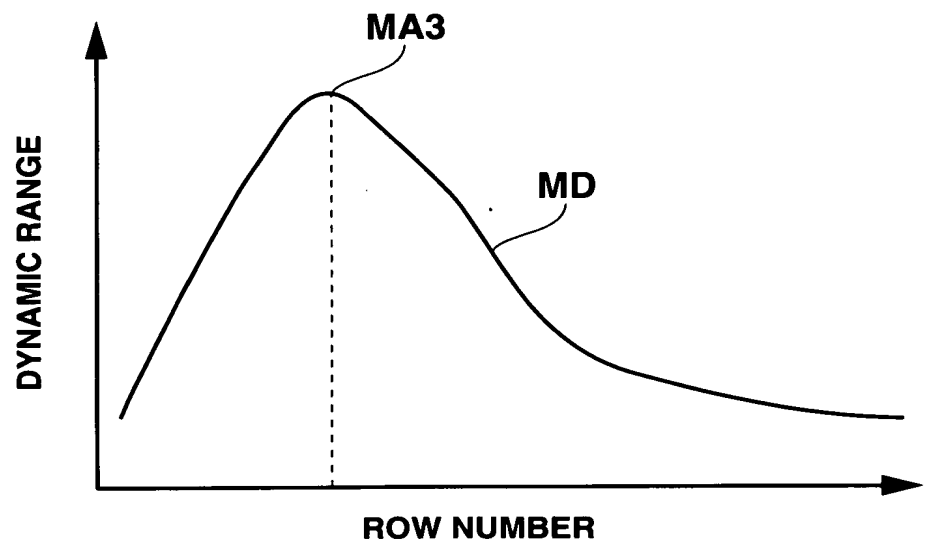
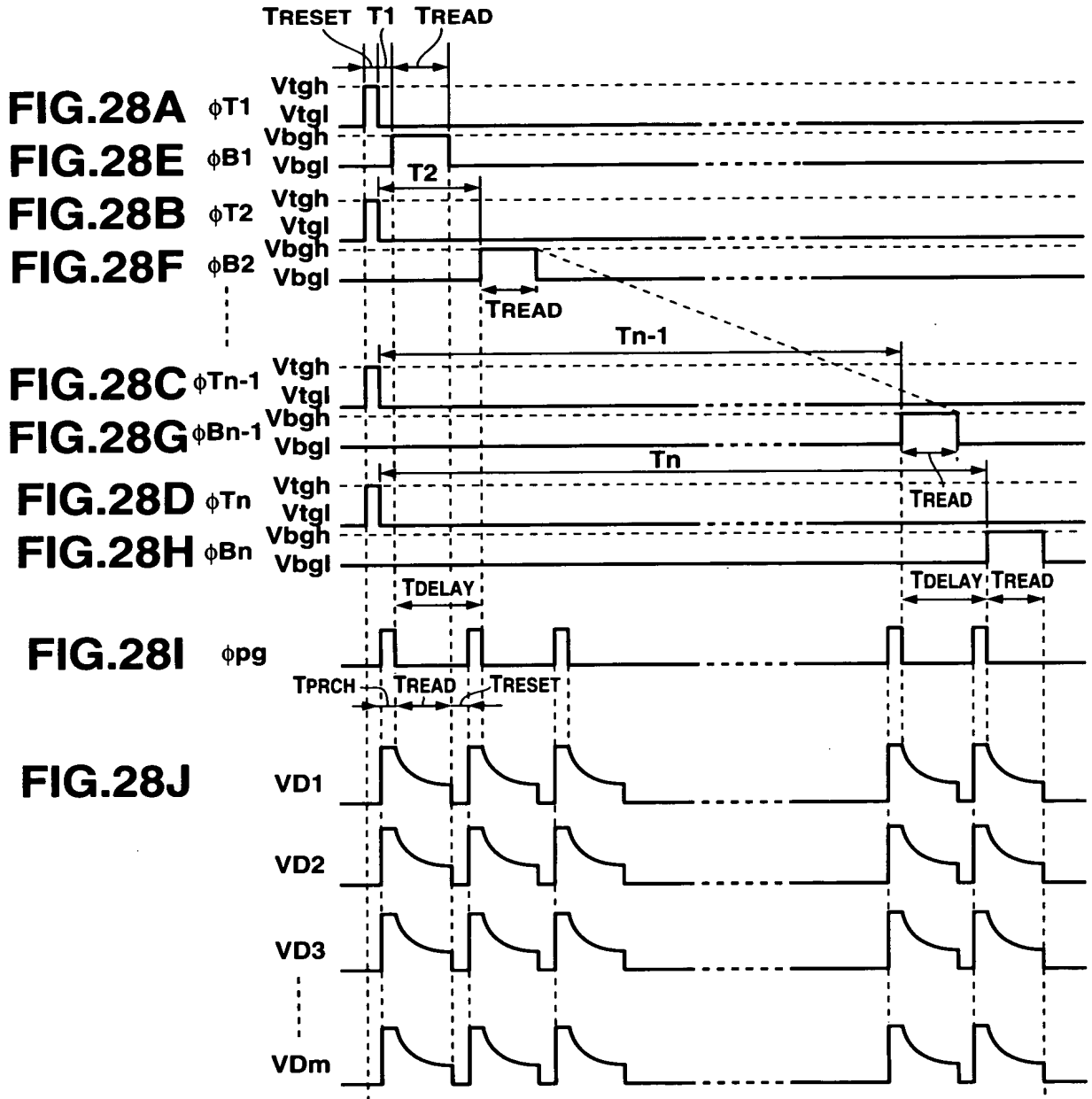
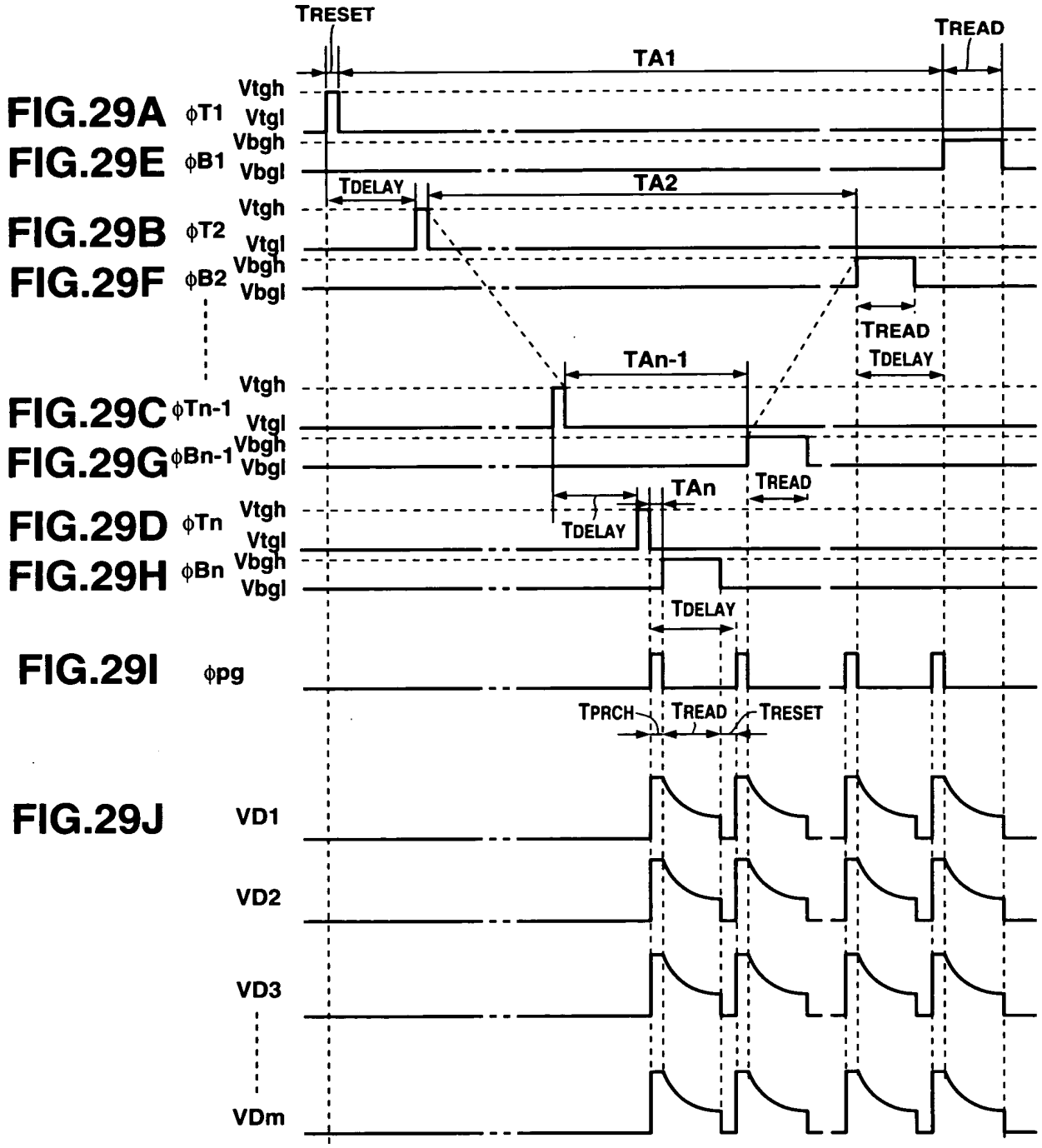
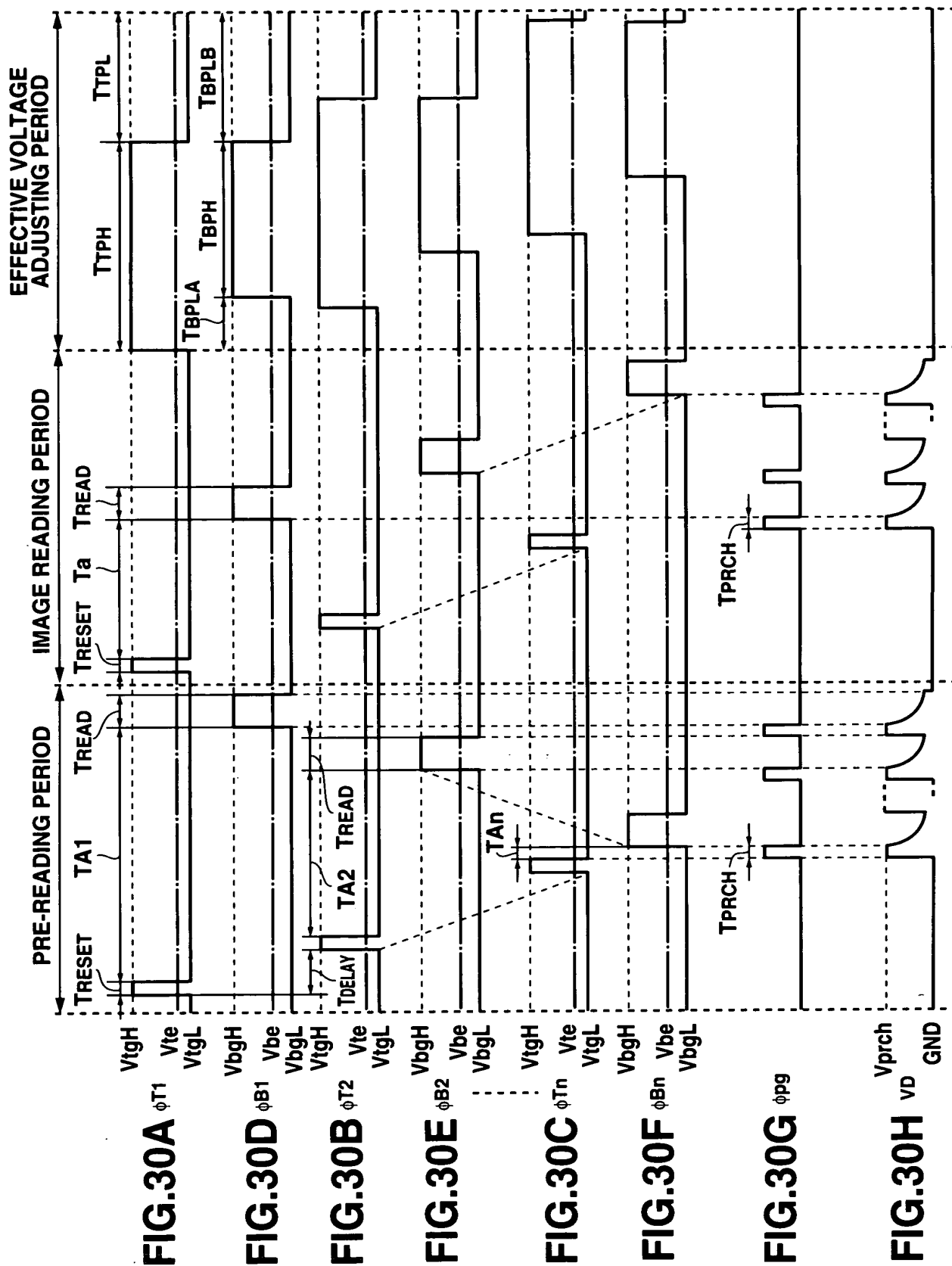


FIG.27B







PRIOR ART

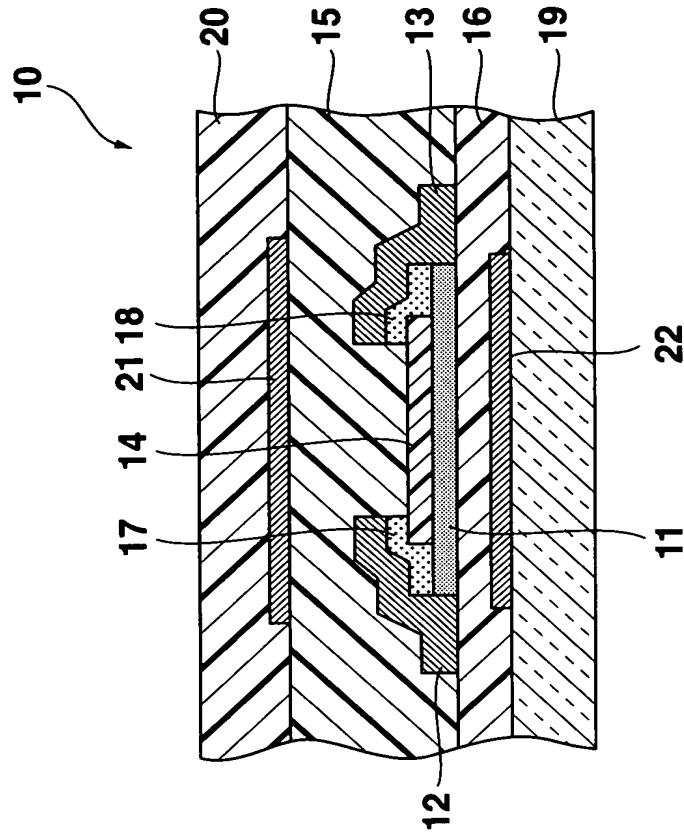


FIG.31A

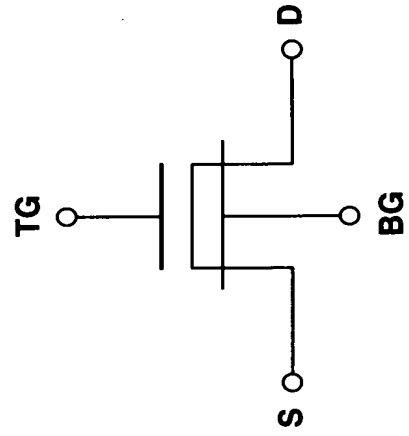


FIG.31B

PRIOR ART

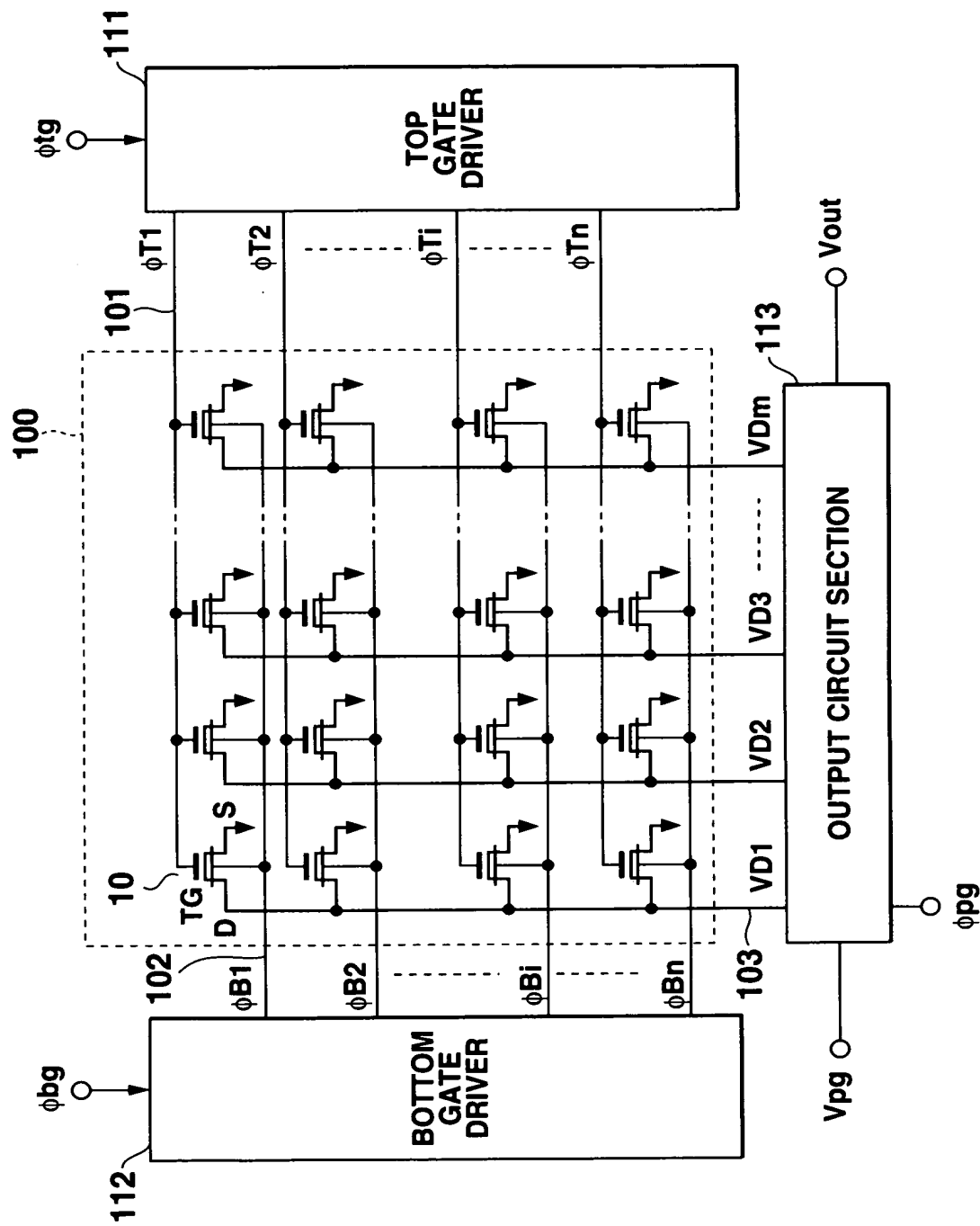


FIG.32

PRIOR ART

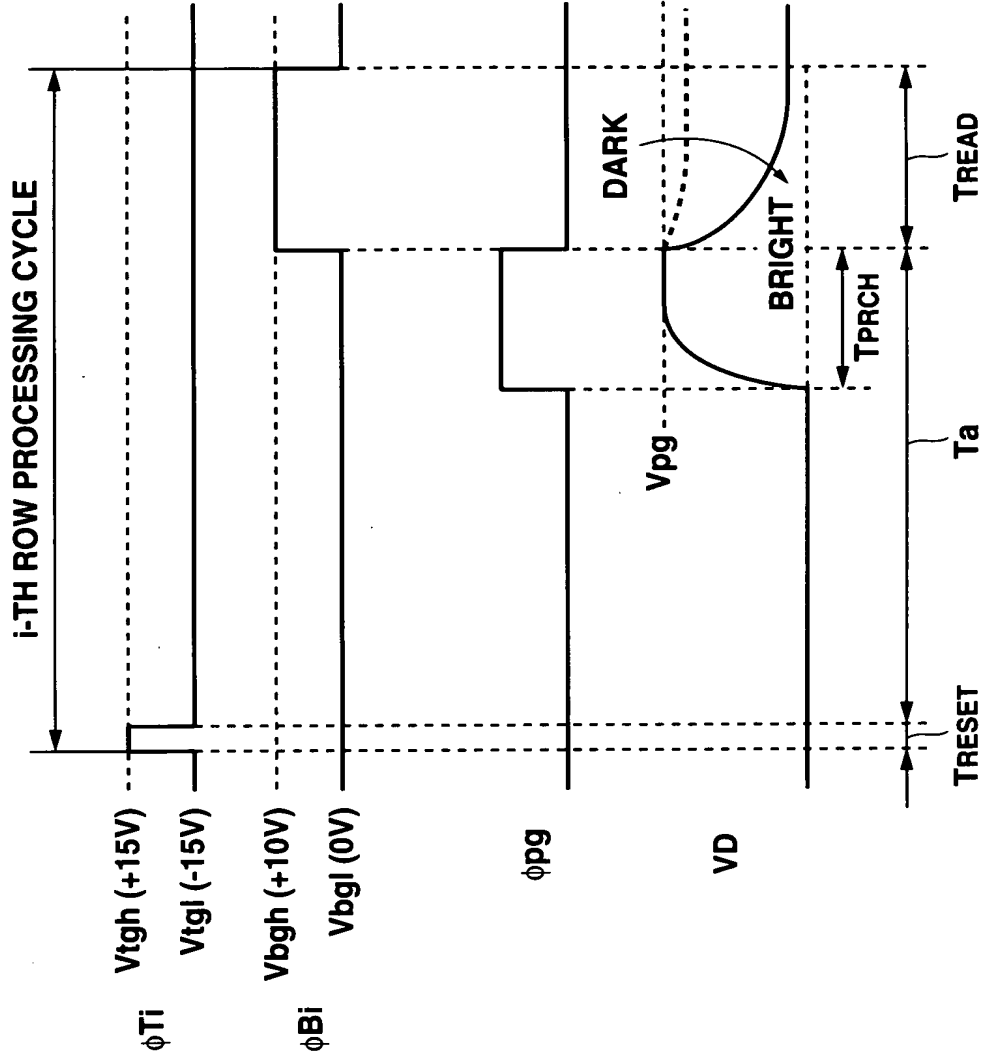


FIG.33A

FIG.33B

FIG.33C

FIG.33D